

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/074719 A1**

(51) International Patent Classification<sup>7</sup>: **A23L 1/30**,  
A61K 31/205

(21) International Application Number:  
PCT/EP2005/000808

(22) International Filing Date: 27 January 2005 (27.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
04001843.4 28 January 2004 (28.01.2004) EP

(71) Applicant (for all designated States except US): **NESTEC**  
S.A. [CH/CH]; Avenue Nestlé 55, CH-1800 Vevey (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PRIDMORE-  
MERTEN, Sylvie** [CH/CH]; Nestle Research Center, Vers  
Chez Les Blanc, 1000 Lausanne 26 (CH).

(74) Agent: **STRAUS, Alexander**; Becker, Kurig, Straus,  
Bavariastrasse 7, 80336 Munich (DE).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: NUTRITIONAL COMPOSITION FOR IMPROVING SKIN CONDITION AND PREVENTING SKIN DISEASES

(57) Abstract: The present invention pertains to the use of an ingestible composition containing L-carnitine and at least one compo-  
nent having an anti-oxidative activity for stimulating the lipid metabolism in the skin of an individual, which results in an improvement  
of the general condition of the skin in particular dry, sensible or reactive skin, and in prevention of the occurrence of skin diseases,  
such as dermatitis. In addition thereto, the present invention pertains also to the use of such a composition for the preparation of a  
pharmaceutical composition or of a food, in particular a functional food or petfood product, for increasing lipid secretion in sebum,  
producing a protective sebum layer on the skin.



WO 2005/074719 A1